

## New claims:

1. An ink jet process ink comprising
  - 5 a) at least one colorant in particulate form,
  - b) at least one organic solvent having a boiling point of at least 247°C, measured at atmospheric pressure, and
  - c) water,
- 10 and less than 0.25% by weight of organic solvents having a boiling point below 247°C, measured at atmospheric pressure.
- 15 2. The ink for the ink jet process according to claim 1 wherein all organic solvents b) have a boiling point of at least 250°C, measured at atmospheric pressure.
3. The ink for the ink jet process according to claim 1 or 2 wherein all organic solvents b) have a decomposition point of at least 200°C.
- 20 4. The ink for the ink jet process according to any of claims 1 to 3 which comprises at least 30% by weight of water c).
5. The ink for the ink jet process according to any of claims 1 to 4 which comprises less than 500 ppm of free heavy metal ions.
- 25 6. A process for printing a substrate by the ink jet process using an ink jet process ink according to one or more of claims 1 to 5.
7. The process according to claim 6 wherein the substrate is a textile substrate.
- 30 8. A printed substrate obtainable according to claim 6 or 7.